

CONCLUSION

The claims have been amended to clarify the invention and are clearly free of the art. It is believed that the pending claims are in a position for allowance and passage of claims 1-6, 9, 16-42 and 45-70 to issue is respectfully requested.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicants petition for any required relief including extensions of time and authorize the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket No. **219002029000**.

Respectfully submitted,

Dated: February 11, 2002

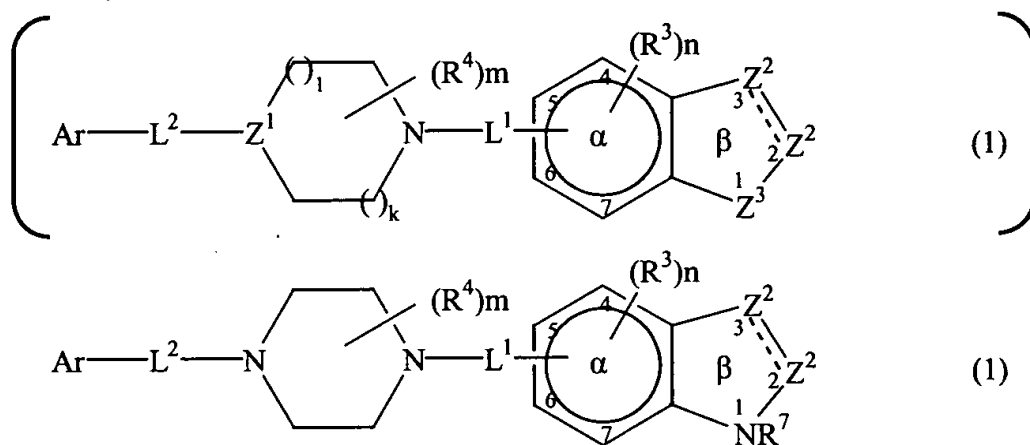
By: Kate H. Murashige
Kate H. Murashige
Registration No. 29,959


Morrison & Foerster LLP
3811 Valley Centre Drive,
Suite 500
San Diego, California 92130-2332
Telephone: (858) 720-5112
Facsimile: (858) 720-5125

In the Specification:

A is $-W_i-CO X_j Y$ wherein Y is COR² or an isostere thereof and R² is a noninterfering substituent. Each of W and X is a spacer and may be, for example, optionally substituted [alkyl, alkenyl, or alkynyl] alkylene, alkenylene, or alkynylene, each of i and j is 0 or 1. Preferably, W and X are unsubstituted. Preferably, j is 0 so that the two carbonyl groups are adjacent to each other. Preferably, also, i is 0 so that the proximal CO is adjacent the ring. However, compounds wherein the proximal CO is spaced from the ring can readily be prepared by selective reduction of an initially glyoxal substituted β ring. In the most preferred embodiments of the invention, the α/β ring system is an indole containing CA in position 3- and wherein A is [COCR²] COCOR².

1. (Twice amended) A compound of the formula:



 represents a single or double bond;

Serial No. 09/575,060
Docket No. 219002029000

A is $-W_i-COX_jY$ wherein Y is COR^2 or an isostere thereof and R^2 is hydrogen or a noninterfering substituent, each of W and X is a spacer of 2-6Å which is substituted or unsubstituted alkylene, alkenylene or alkynylene, and each of i and j is independently 0 or 1;

[Z^3 is NR^7 or O;]

R^7 is H or is optionally substituted alkyl, alkenyl, alkynyl, aryl, arylalkyl, acyl, aroyl, heteroaryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroalkylaryl, or is SOR, SO_2R , RCO, COOR, alkyl-COR, SO_3R , $CONR_2$, SO_2NR_2 , CN, CF_3 , NR_2 , OR, alkyl-SR, alkyl-SOR, alkyl- SO_2R , alkyl-OCOR, alkyl-COOR, alkyl-CN, alkyl- $CONR_2$, or R_3Si , wherein each R is independently H, alkyl, alkenyl or aryl or heteroforms thereof;

each R^3 is independently a noninterfering substituent;

n is 0-3;

each of L^1 and L^2 is [a linker] independently alkylene (1-4C) or alkenylene (1-4C) optionally substituted with a moiety selected from the group consisting of alkyl, alkenyl, alkynyl, aryl, arylalkyl, acyl, aroyl, heteroaryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroalkylaryl, NH-aroyl, halo, OR, NR_2 , SR, SOR, SO_2R , OCOR, NRCOR, $NRCONR_2$, $NRCOOR$, $OCONR_2$, RCO, COOR, alkyl-OOR, SO_3R , $CONR_2$, SO_2NR_2 , $NRSO_2NR_2$, CN, CF_3 , R_3Si , and NO_2 , wherein each R is independently H, alkyl, alkenyl or aryl or heteroforms thereof, and wherein two substituents on L^1 or L^2 can be joined to form a non-aromatic saturated or unsaturated ring that includes 0-3 heteroatoms which are O, S and/or N and which contains 3 to 8 members or said two substituents can be joined to form a carbonyl moiety or an oxime, oximeether, oximeester or ketal of said carbonyl moiety;

each R^4 is independently a noninterfering substituent;

m is 0-4;

[Z^1 is N;

each of l and k is 1;]

Ar is an aryl group substituted with 0-5 noninterfering substituents, wherein two noninterfering substituents can form a fused ring; and

the distance between the atom of Ar linked to L^2 and the center of the α ring is 4.5-24Å.

9. (Amended) The compound of claim [8] 1 wherein R^7 is H, or is optionally substituted alkyl, or acyl.

16. (Amended) The compound of claim [15] 1 wherein L^2 is unsubstituted alkylene and L^1 is CO.

17. (Amended) The compound of claim [15] 1 wherein L^2 is unsubstituted methylene, methylene substituted with alkyl, or $-CH=$ and L^1 is alkylene or CO.

30. (Amended) The compound of claim 1 wherein Z^2 at position 3 is CA or $[CH^1A]$ CHA.